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(54) Title: PRIMERS, METHODS AND KITS FOR DETECTING KILLER-CELL IMMUNOGLOBULIN-LIKE RECEPTOR ALLELES

(57) Abstract: Embodiments of the present invention describe primer pairs, methods and kits for identifying and/or detecting killer-cell immunoglobulin-like receptor (KIR) alleles. The present primer sets include one or more primer pairs that can produce amplicons specific for an individual KIR allele and that are less than 1000 bp in size. Additionally, the primer sets can target intra-exon and/or extracellular domains of KIR alleles for amplification.



WO 2005/046459 A3

## INTERNATIONAL SEARCH REPORT

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| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |   |  |
| Category *  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.  |
| X   | SHILLING, H.G. et al. Allelic polymorphism synergizes with variable gene content to individualize human KIR genotype. J Immunology, Vol. 163, pp. 2307-2315, 2002.  | 1-17   |
| X   | CHAN, H.W. DNA methylation maintains allele-specific KIR gene expression in human natural killer cells. J Experimental Med., Vol. 197, No.2, January 20, 2003.      | 1-17   |
| Y   | Stratagene Catalog. Gene characterization kits. Stratagene Catalog, pp.39, 1988.  | 18-19  |
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